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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,276	10/31/2003	Karen J. Smiley	ABDT-0578/B030100	1636

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EXAMINER

TSAL, CAROL S W

ART UNIT PAPER NUMBER

2857

DATE MAILED: 06/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/698,276	Applicant(s) SMILEY ET AL.	
	Examiner Carol S. Tsai	Art Unit 2857	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,13-17 and 29-32 is/are rejected.
- 7) ☐ Claim(s) 2-12 and 18-28 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

#### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 13, 17, and 29 are rejected under 35 U.S.C. 102(b) as being anticipated by U. S. Patent No. 5,938,424 to Kurogi et al.

With respect to claims 1 and 17, Kurogi et al. disclose a method for transformer testing, comprising: receiving a failing test result of a transformer, the test result being determined from a test taken during transformer manufacture (see Figs. 5 and 6; Abstract, lines 5-8; col. 1, line 66 to col. 2, line 11; and col. 5, line 51 to col. 6, line 21); determining, via a knowledge-based system, a predicted root cause of the failure based on the test result and a knowledge base of transformer information (see col. 2, lines 12-51 and col. 6, line 22 to col. 7, line 42); and

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determining, via the knowledge-based system, a suggested course of action for the failure based on the test result and the knowledge base of transformer information (see col. 2, lines 26-31 and col. 3, lines 33-39).

As to claims 13 and 29, Kurogi et al. also disclose a prediction that a piece of transformer manufacturing equipment is out of calibration (see col. 5, line 51 to col. 6, line 21).

### *Claim Rejections - 35 USC § 103*

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 14-16 and 30-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kurogi et al. in view of U. S. Patent No. 6,369,582 to Coffeen.

As noted above, with respect to claims 14 and 30, Kurogi et al. disclose the claimed invention, except for modifying a scheduled transformer manufacturing step to compensate for the test failure.

Coffeen teaches modifying a scheduled transformer modifying a scheduled transformer manufacturing step to compensate for the test failure manufacturing step to compensate for the test failure (see col. 4, line 63 to col. 5, line 6).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Kurogi et al.'s method to include modifying a scheduled

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transformer manufacturing step to compensate for the test failure, as taught by Coffeen, in order that a maintenance can be scheduled for the transformer.

As to claims 15 and 31, Kurogi et al. do not disclose redoing a previously completed transformer manufacturing step.

Coffeen teaches redoing a previously completed transformer manufacturing step (see col. 16, lines 21-26).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Kurogi et al.'s method to include redoing a previously completed transformer manufacturing step, as taught by Coffeen, in order that a suitable output pulse or signal can be detected (see Coffeen, col. 16, lines 25-26).

As to claims 16 and 32, Kurogi et al. do not disclose recalibrating a piece of transformer manufacturing equipment and redoing a previously completed transformer manufacturing step.

Coffeen teaches recalibrating a piece of transformer manufacturing equipment (see col. 4, line 63 to col. 5, line 6).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Farag et al.'s method to include recalibrating a piece of transformer manufacturing equipment, as taught by Coffeen, in order that a maintenance can be scheduled for the transformer.

Coffeen teaches redoing a previously completed transformer manufacturing step (see col. 16, lines 21-26).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Kurogi et al.'s method to include redoing a previously completed

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transformer manufacturing step, as taught by Coffeen, in order that a suitable output pulse or signal can be detected (see Coffeen, col. 16, lines 25-26).

*Allowable Subject Matter*

7. Claims 2-12 and 18-28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

*Response to Arguments*

8. Applicant's arguments with respect to claims 1, 13-17 and 29-32 have been considered but are moot in view of the new ground(s) of rejection.

*Contact Information*

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carol S. W. Tsai whose telephone number is (571) 272-2224. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc S. Hoff can be reached on (571) 272-2216. The fax number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 886-217-9197 (toll-free).



Carol S. W. Tsai  
Primary Examiner  
Art Unit 2857

cswt

May 31, 2005